



McDonnell Boehnen Hulbert & Berghoff
Law Offices

Fax transmittal

To	Examiner Lisa Cook	Date	July 3, 2003
Company	Patent and Trademark Office	From	David S. Harper
Fax	<u>703-746-5216</u>	Direct	(312) 913-2106
Phone		Email	harper@mbhb.com
Pages, with cover	4	C/M	102/197
Re:	U.S. Patent Application No. 09/716,732 Filed: November 20, 2000 Title: A System for Cell-Based Screening MBHB Case No.: 97,022-N2		

Dear Examiner Cook:

Attached please find the Supplemental Response to Notice to the Office Action mailed July 31, 2001 for the above-referenced U.S. Patent Application.

Very truly yours,

David S. Harper
Patent Attorney

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 97,022-N2)

In re Application of:)
Ghosh, et al.)
Serial No.: 09/716,732)
Filed: November 20, 2000)
For: A System for Cell-Based Screening)
Art Unit: 1641
Examiner: Cook, L.

Mail Stop: RESPONSE
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Sir:

FACSIMILE TRANSMITTAL LETTER

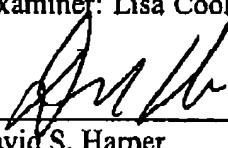
In regard to the above identified application:

1. We are transmitting herewith the attached:

Supplemental Response to Notice to the Office Action mailed July 31, 2001 (3 sheets);

2. With respect to fees:

No fee is required.

3. CERTIFICATE OF TRANSMISSION UNDER 37 CFR § 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being facsimile transmitted to the Patent Office, at PO Box 1450, Alexandria, VA 22313-1450, Examiner: Lisa Cook First (Fax No. (703) 746-5216) on this 3rd day of July, 2003.By 

David S. Harper
Registration No. 42,636

7/13/03
7/9/03

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 97,022-N2)

In re Application of:)
D. Ghosh, et al.)
Serial No.: 09/716,732)
Filed: November 20, 2000)
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Alexandria, VA 22313-1450

Art Unit: 1641

Examiner: Cook, L.

**SUPPLEMENTAL RESPONSE TO NOTICE TO THE
OFFICE ACTION DATED JULY 31, 2001**

Dear Sir,

Please consider the following amendments and remarks in response to the Office Action mailed July 31, 2001:

In the claims:

Please cancel claims 1 through 20.

Please add the following new claims:

21. [+] (AMENDED) An automated method for analyzing neurite outgrowth comprising

- providing an array of locations comprising cells, wherein the cells possess at least a first luminescently labeled reporter molecule that reports on cell location, and at least a second luminescently labeled reporter molecule that reports on neurite outgrowth;
- obtaining a nuclear image from the at least first luminescently labeled reporter molecule and a neurite image from the at least second luminescently labeled reporter molecule;
- automatically identifying cell bodies from the nuclear image; *1st luminescent*
- automatically identifying neurites extending from the cell bodies from the neurite image; and

location